

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/076414 A1**

(51) International Patent Classification<sup>7</sup>: **H01R 12/20**

(21) International Application Number:  
PCT/US2005/002809

(22) International Filing Date: 2 February 2005 (02.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/541,184 2 February 2004 (02.02.2004) US  
60/584,220 30 June 2004 (30.06.2004) US

(71) Applicant (for all designated States except US): **MOLEX INCORPORATED** [US/US]; 2222 Wellington Court, Lisle, IL 60532 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUBBARD, George** [US/US]; 7393 West 50 South, Mongantown, IN 46160 (US). **POH, Edmund, W., M.** [SG/US]; 6089 Miller

Lane, Lisle, IL 60532 (US). **MCGRATH, James, L.** [US/US]; 248 Wren Drive, Bloomingdale, IL 60108 (US). **MCCALLUM, David, S.** [US/US]; 33 Sunset Avenue, West Chicago, IL 60185 (US).

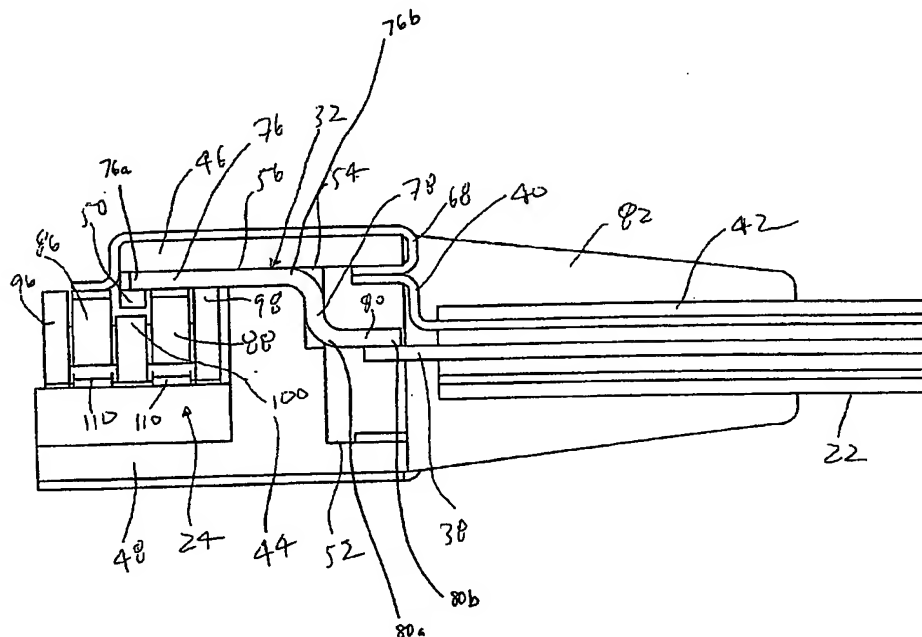
(74) Agent: **ZEITLER, Robert, J.**; Molex Incorporated, 2222 Wellington Court, Lisle, IL 60532 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: **ELECTRICAL CONNECTOR FOR CONNECTING A CABLE TO A CIRCUIT BOARD**



(57) Abstract: A connector is provided for connecting a cable to a printed wiring board. The connector includes a dielectric housing, a conductive signal contact mounted on the housing for mating with a signal conductor of the cable, and a spring connector connected to the housing. The spring connector connects the signal contact on the housing to a signal contact on the printed wiring board.

WO 2005/076414 A1



FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

— with amended claims and statement

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*